

FIG. 1D

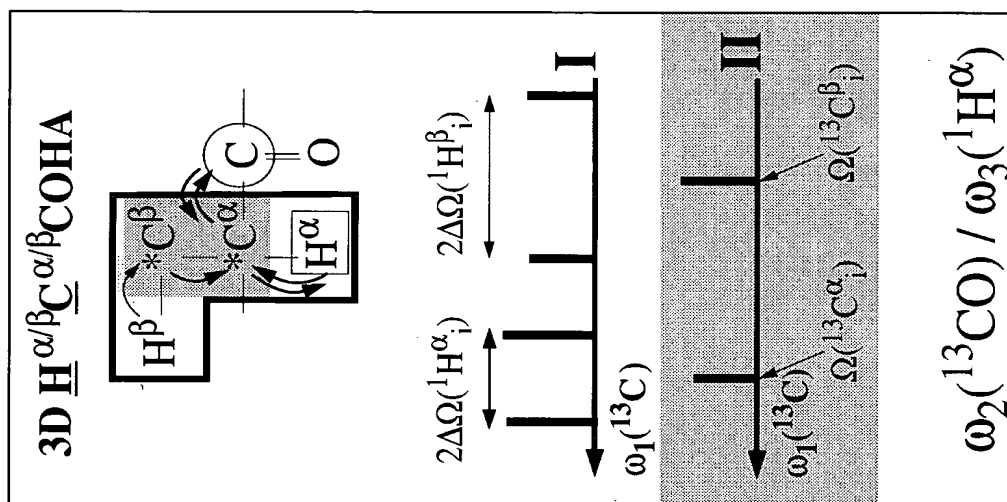


FIG. 1E

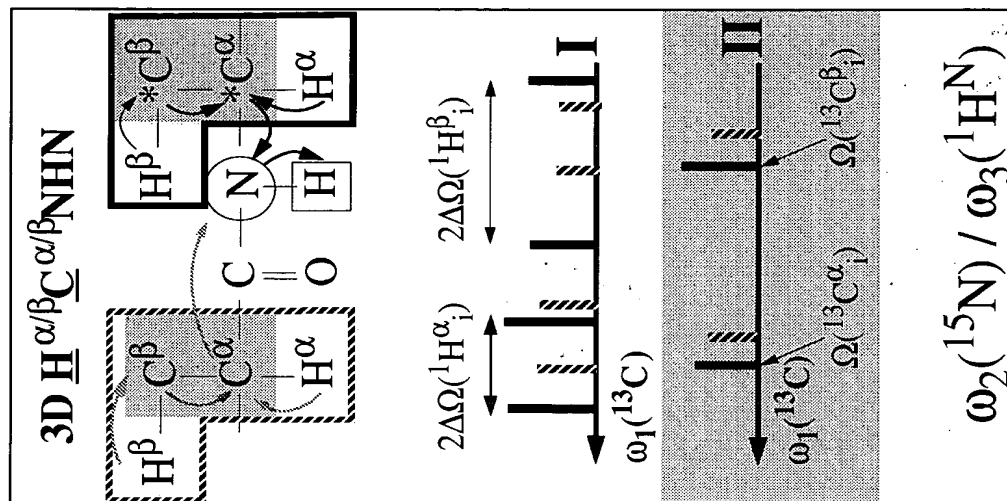


FIG. 1F

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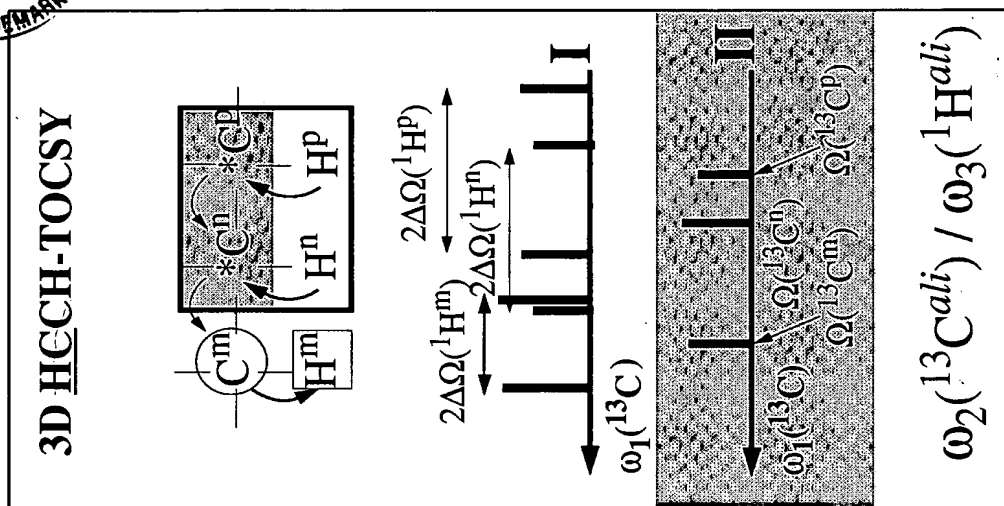


FIG. 1I

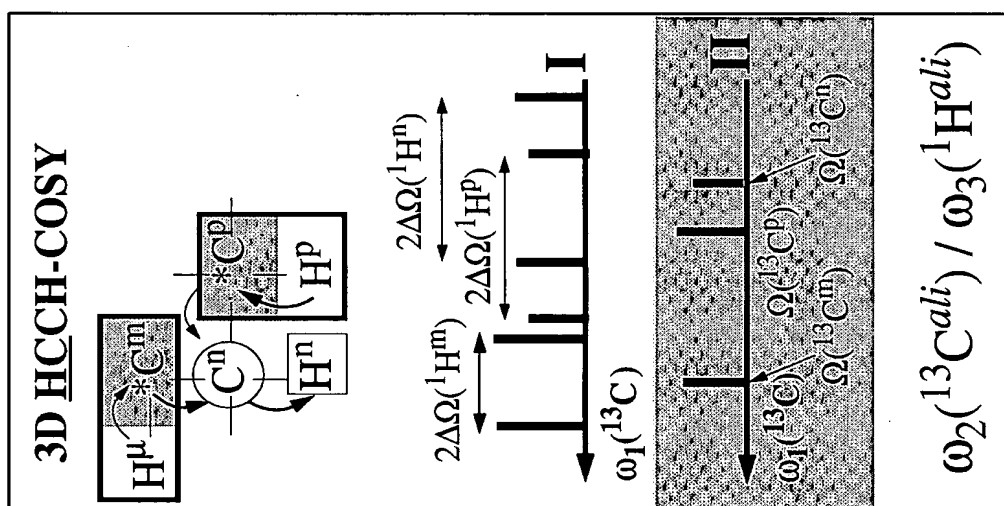


FIG. 1H

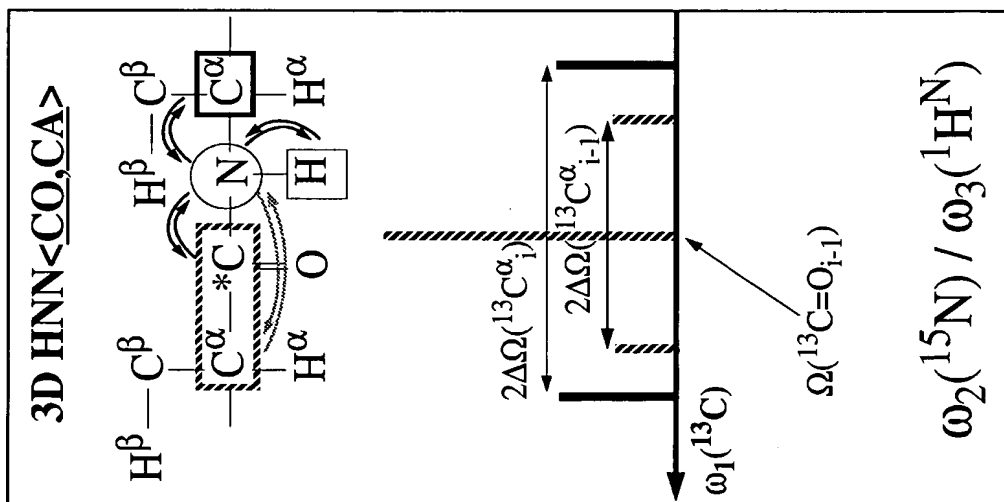


FIG. 1G

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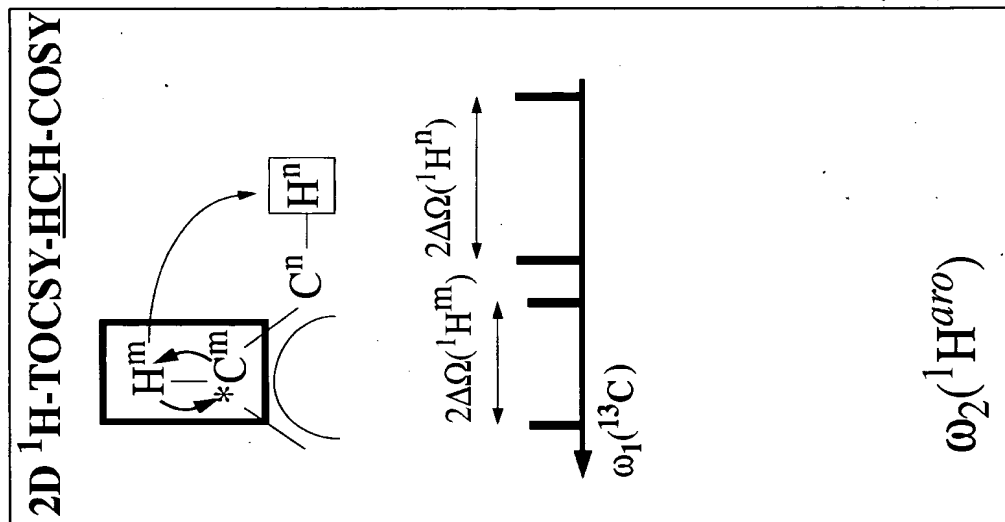


FIG. 1K

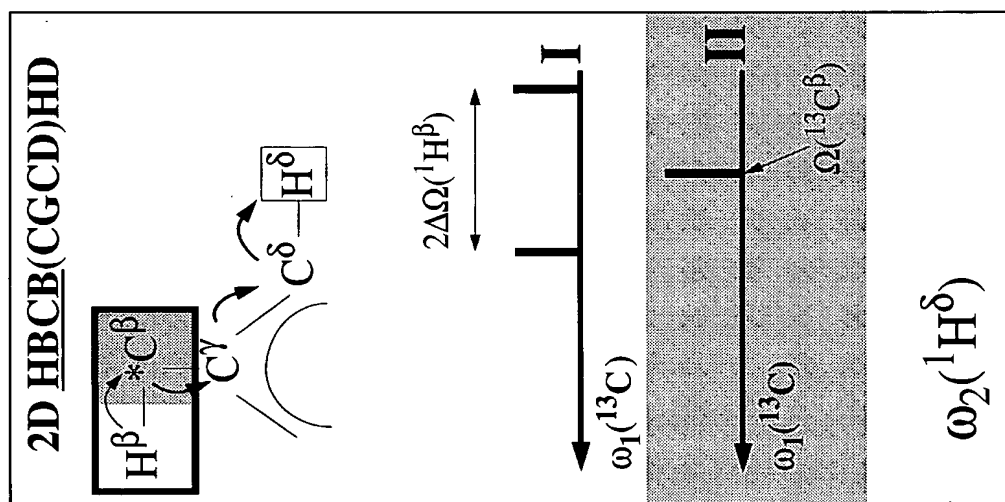


FIG. 1J

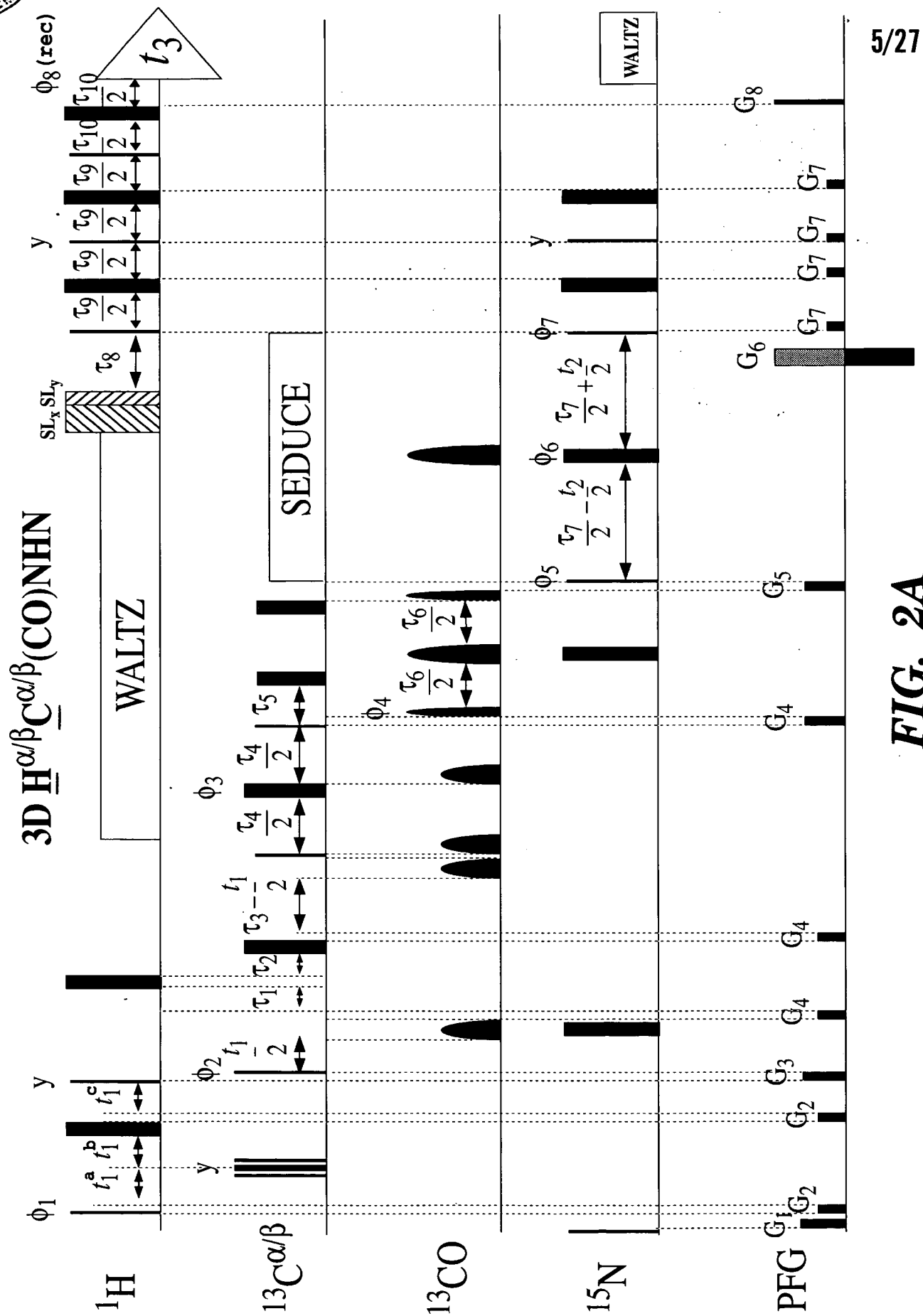


FIG. 2A

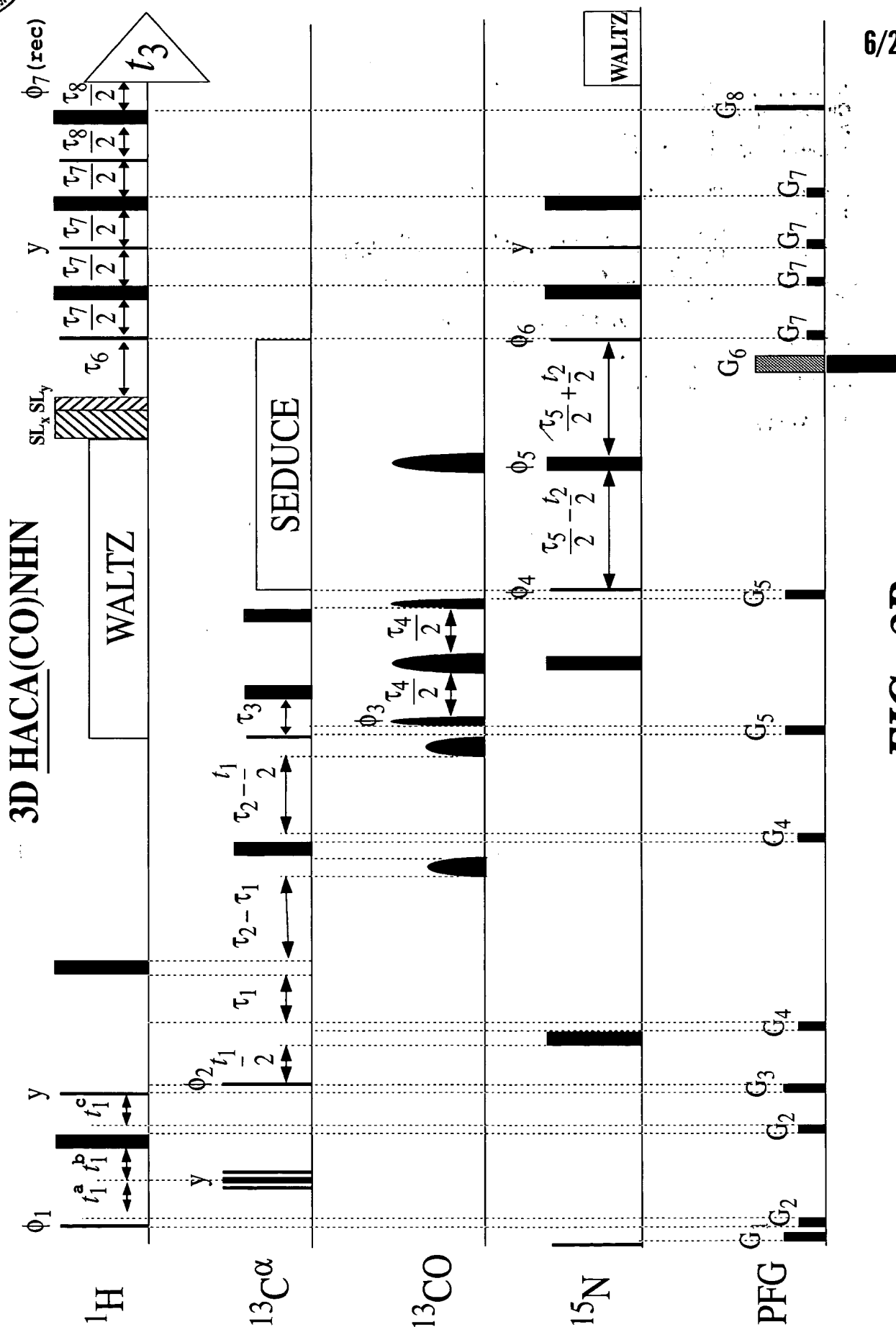
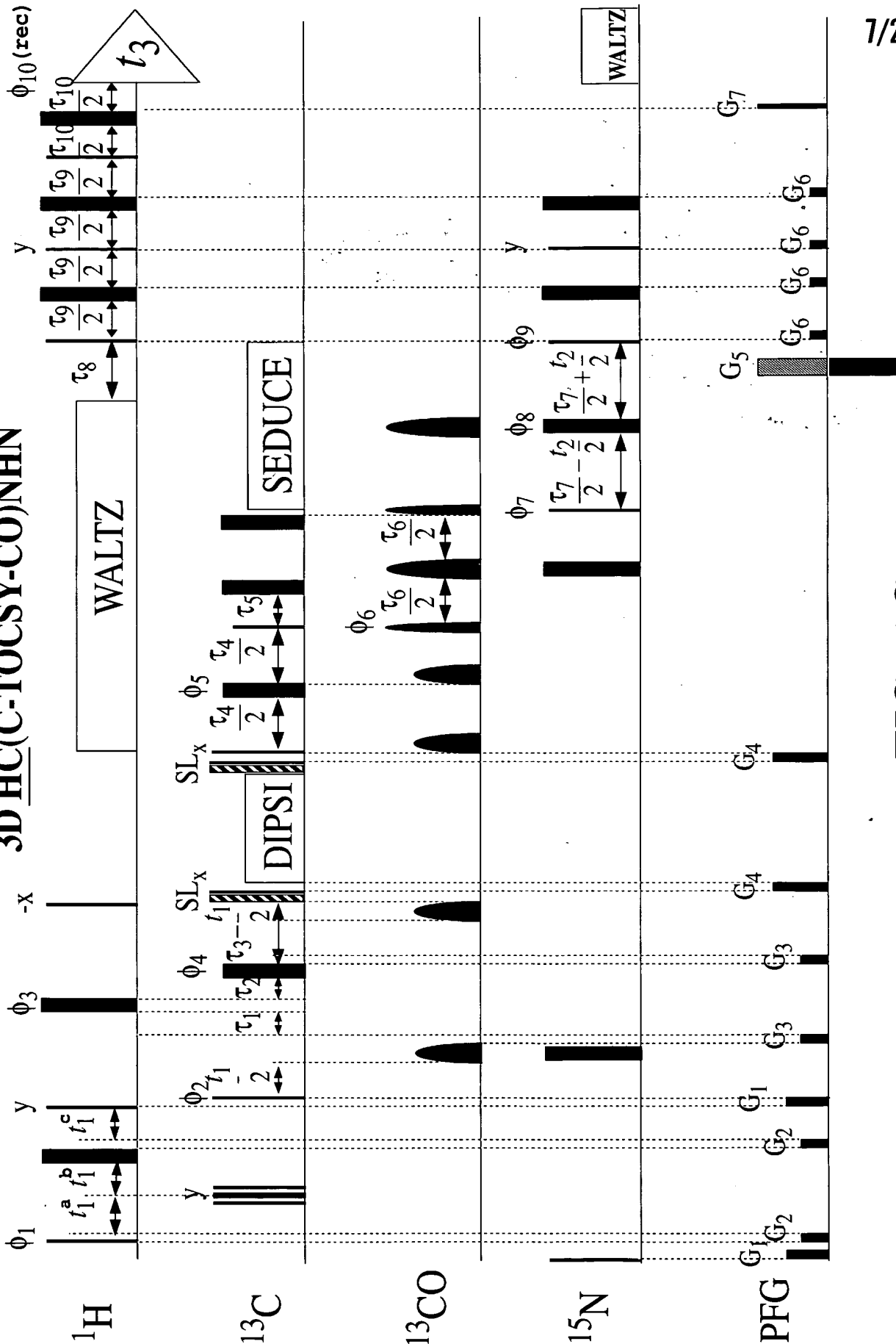


FIG. 2B

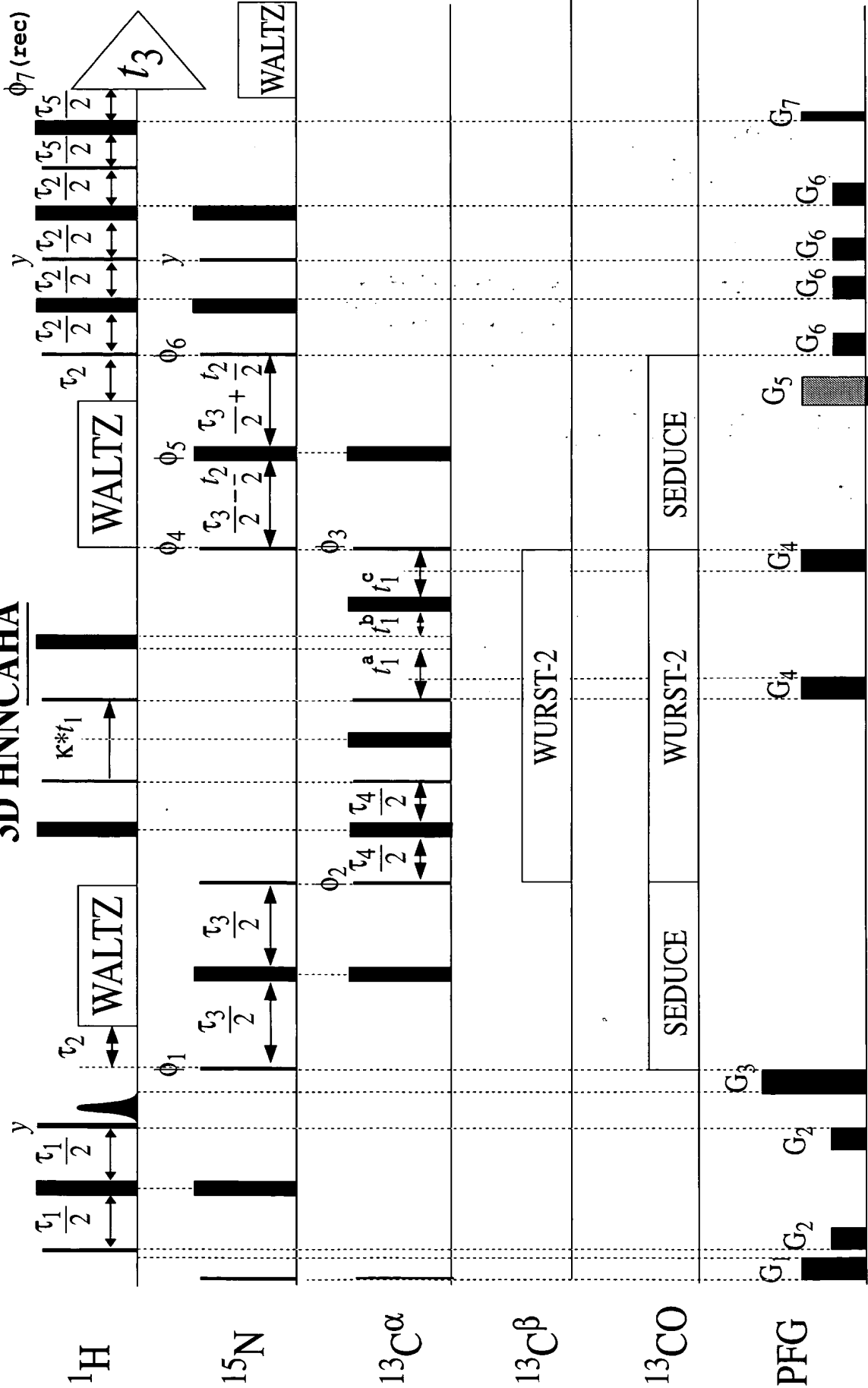
3D HC(C-TOCSY-CO)NHN



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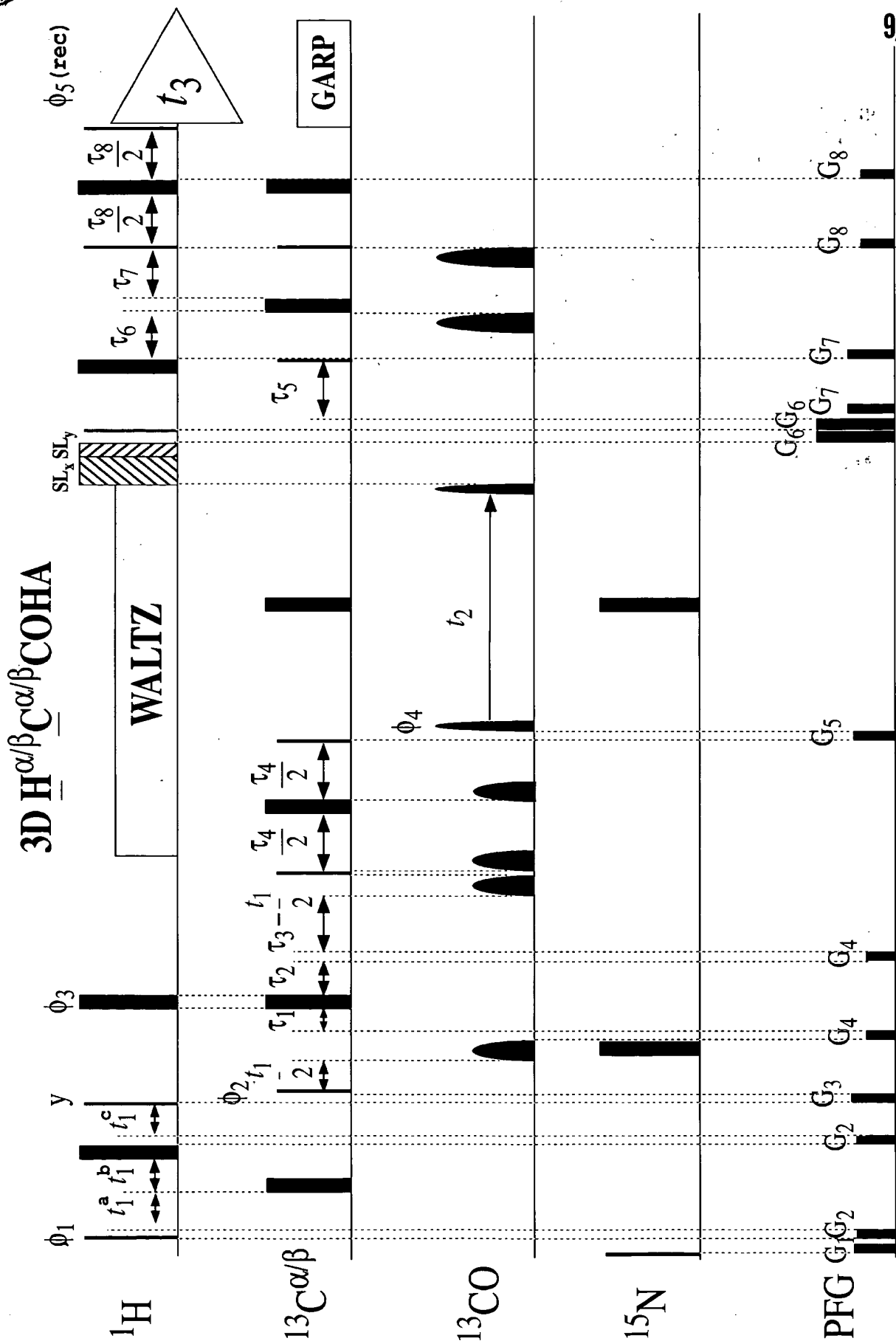
FIG. 2C

3D HNNCAHA



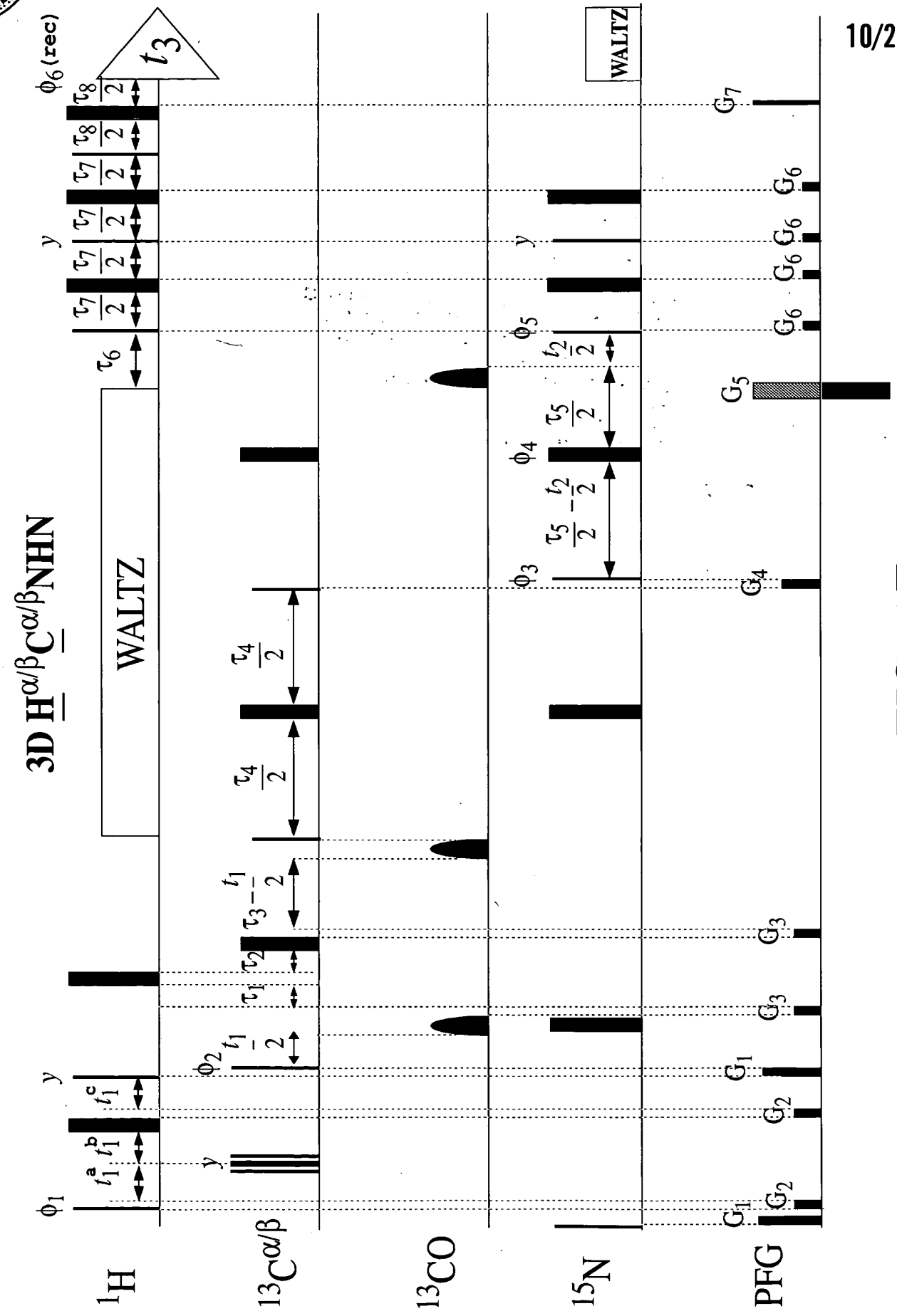
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FIG. 2D



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FIG. 2E



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FIG. 2F

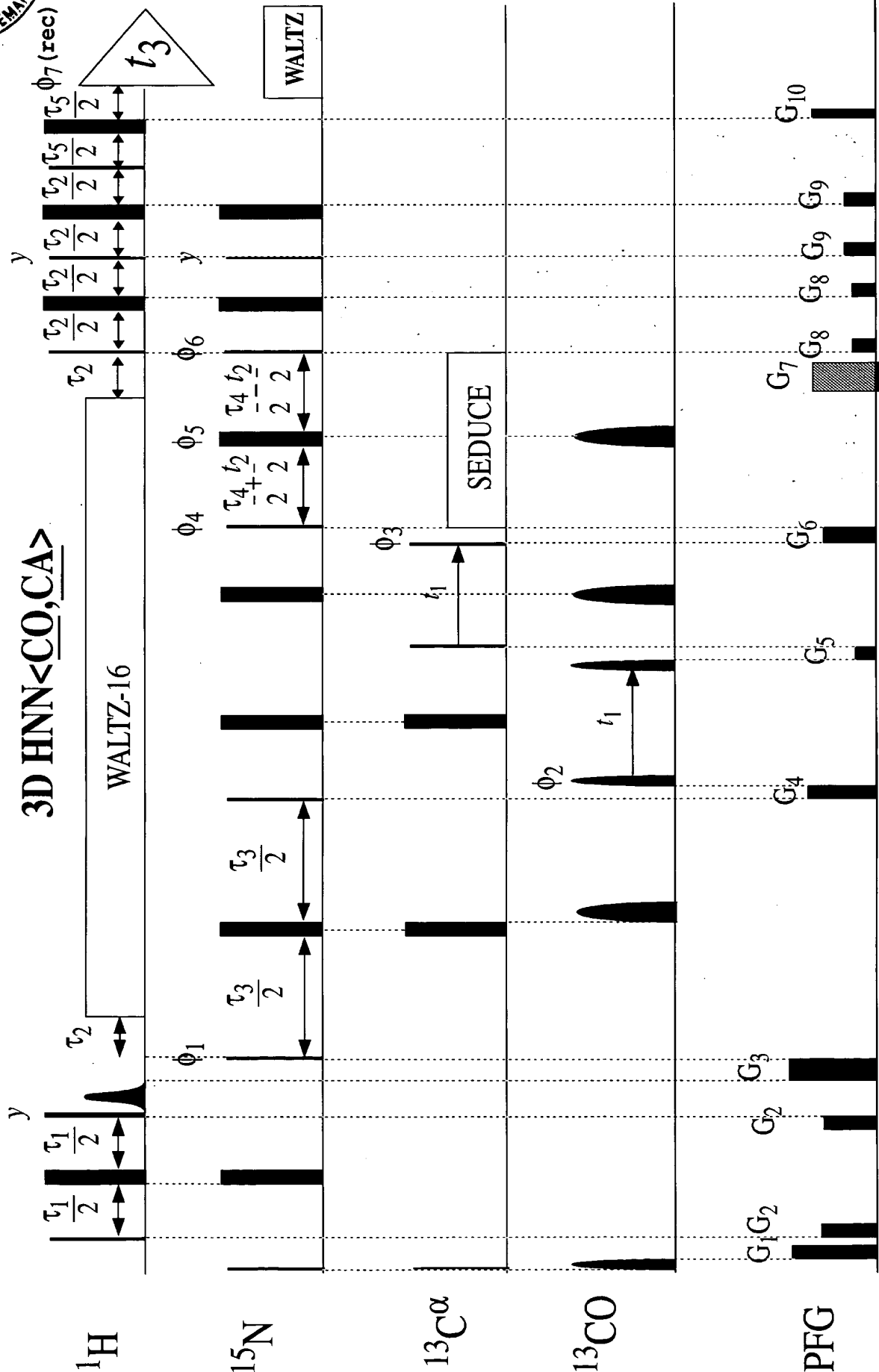
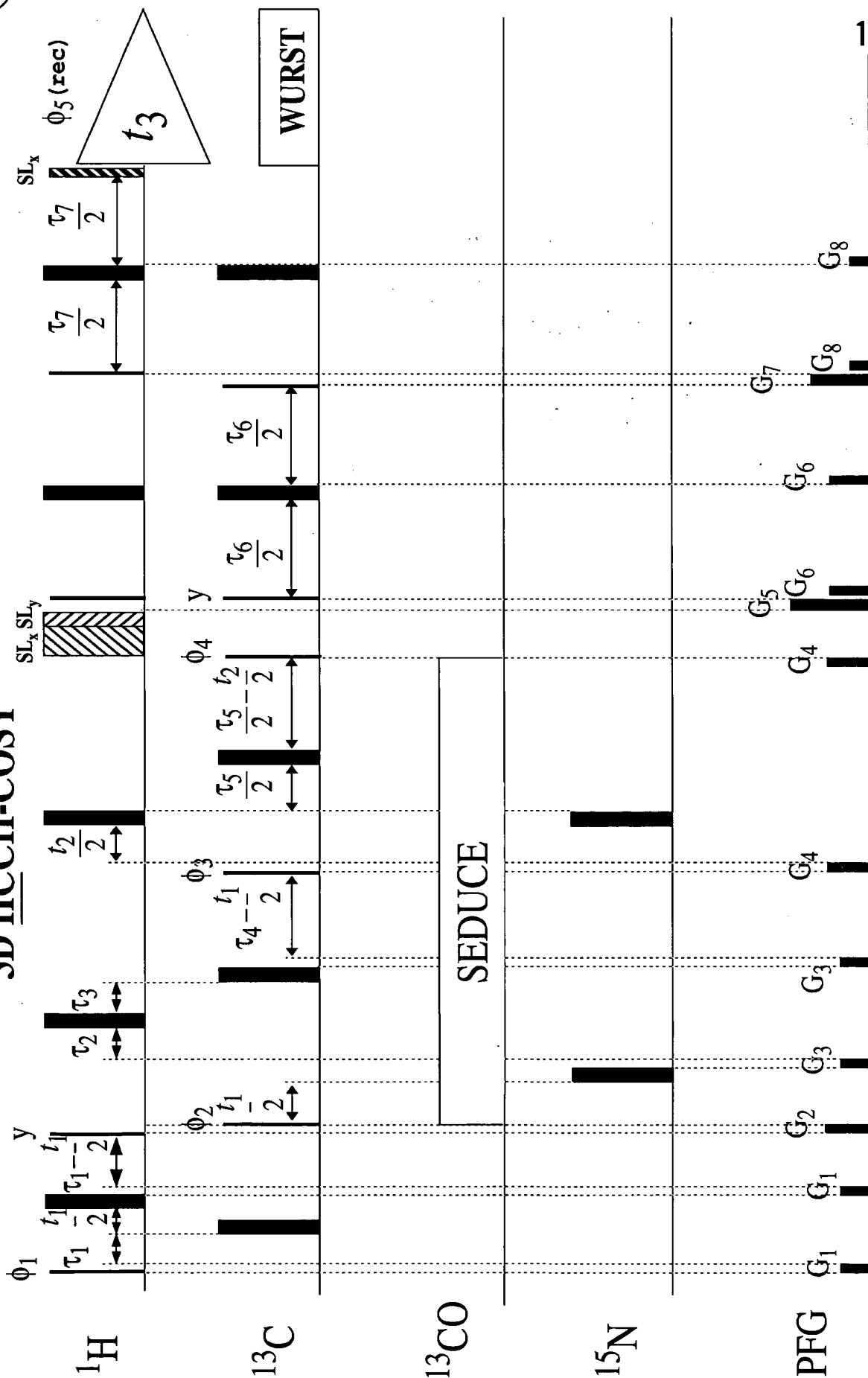


FIG. 2G

3D HCCH-COSY

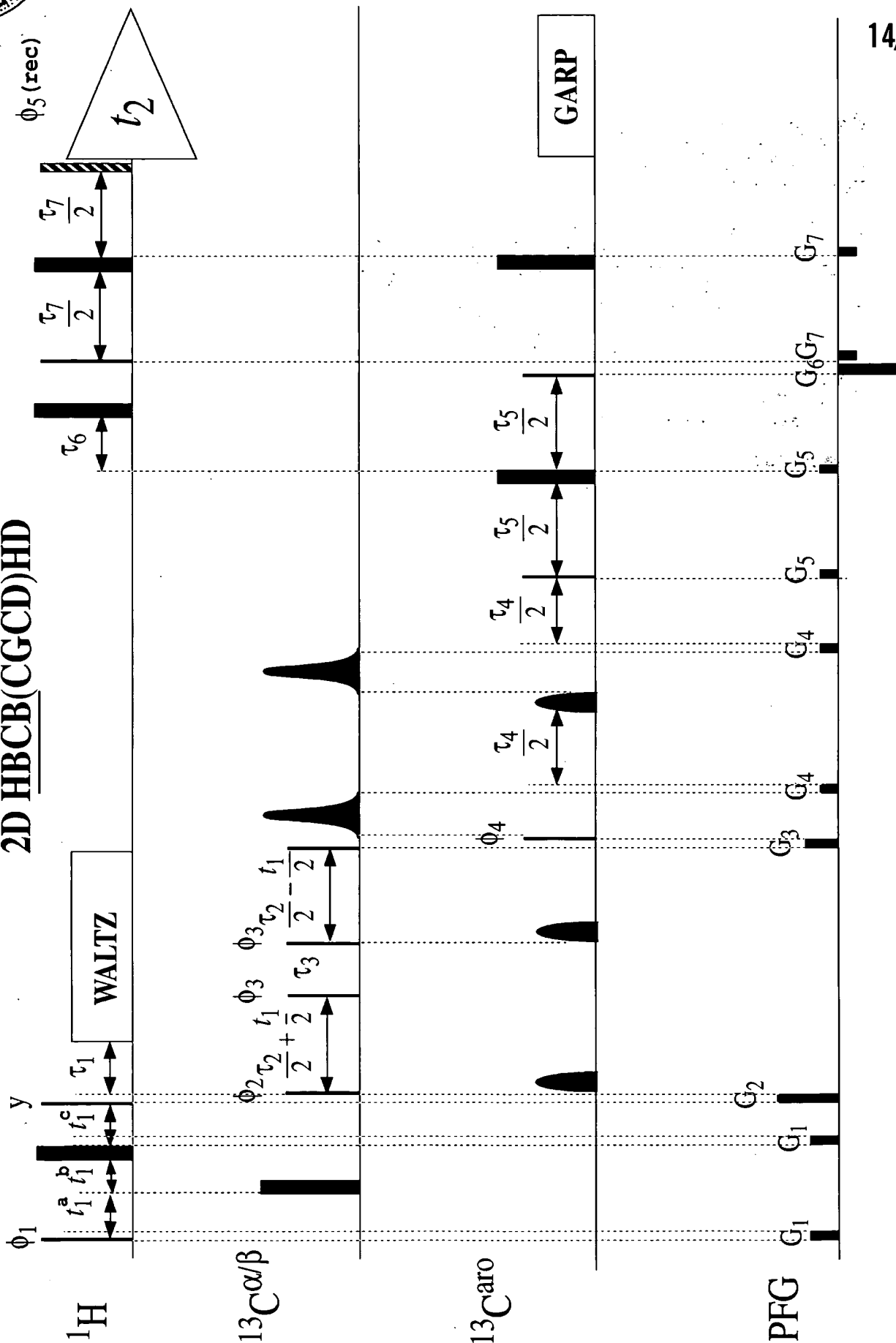


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FIG. 2H

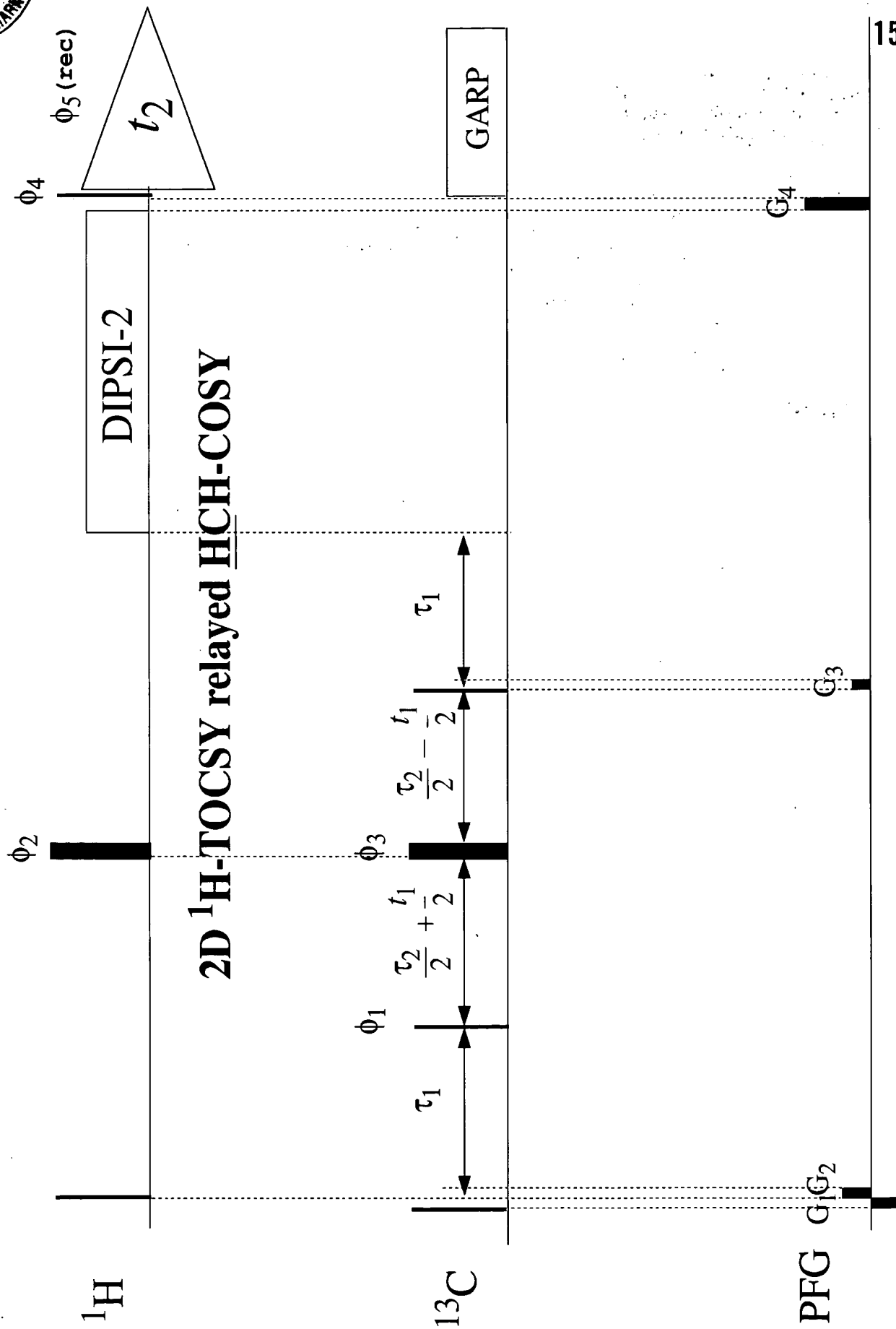


2D HBCB(CGCD)HD



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FIG. 2J



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FIG. 2K

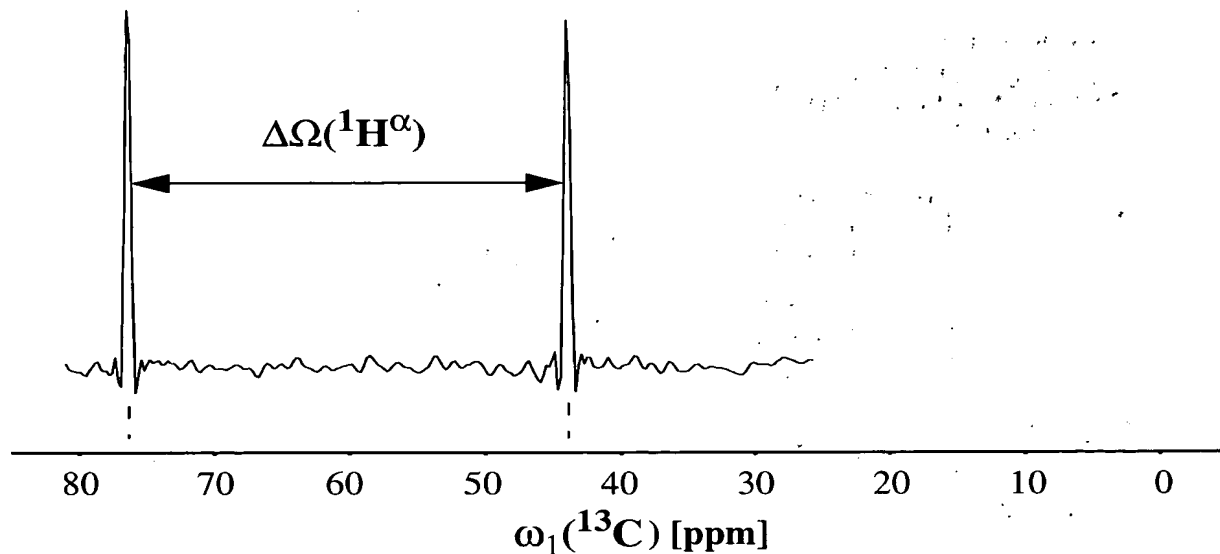


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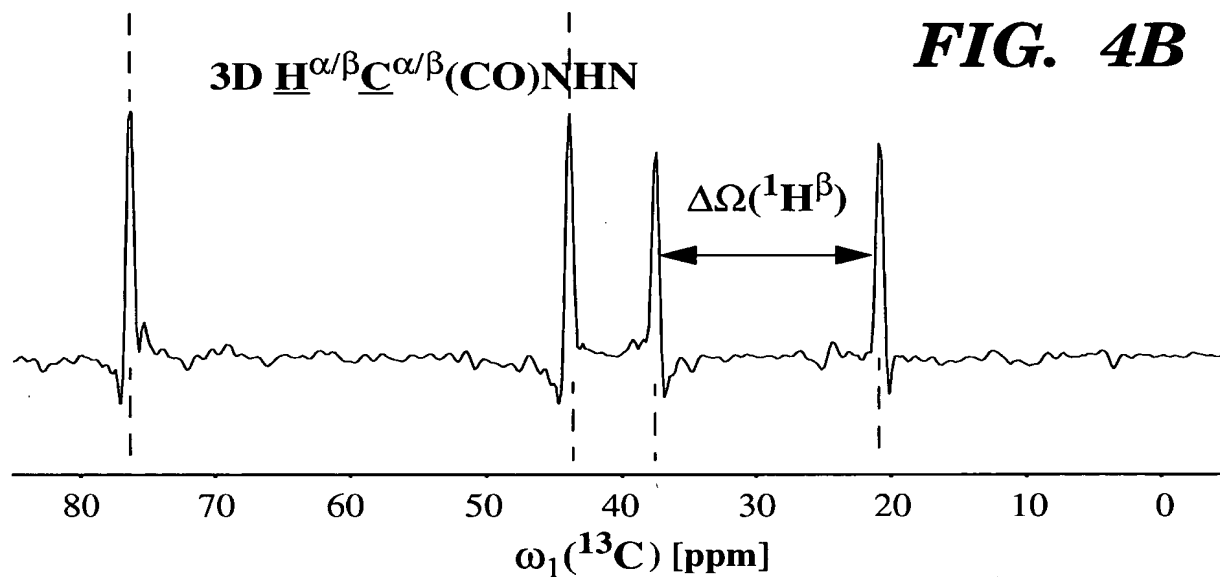
3D HACA(CO)NHN

FIG. 4A



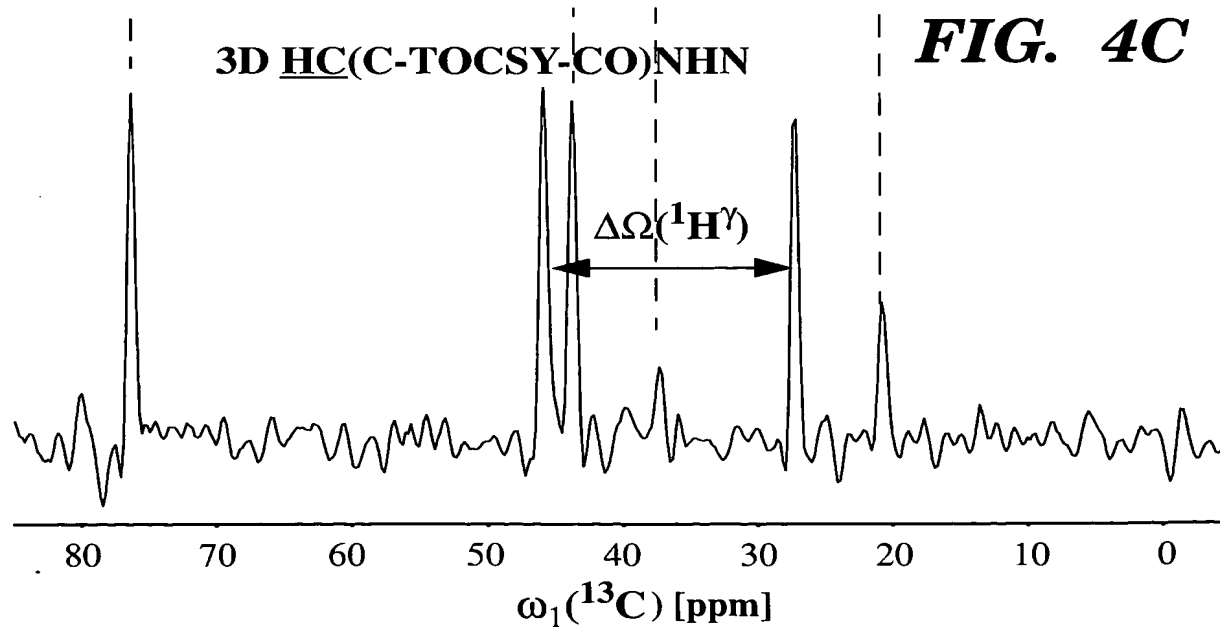
3D H^{α/β}C^{α/β}(CO)NHN

FIG. 4B



3D HC(C-TOCSY-CO)NHN

FIG. 4C

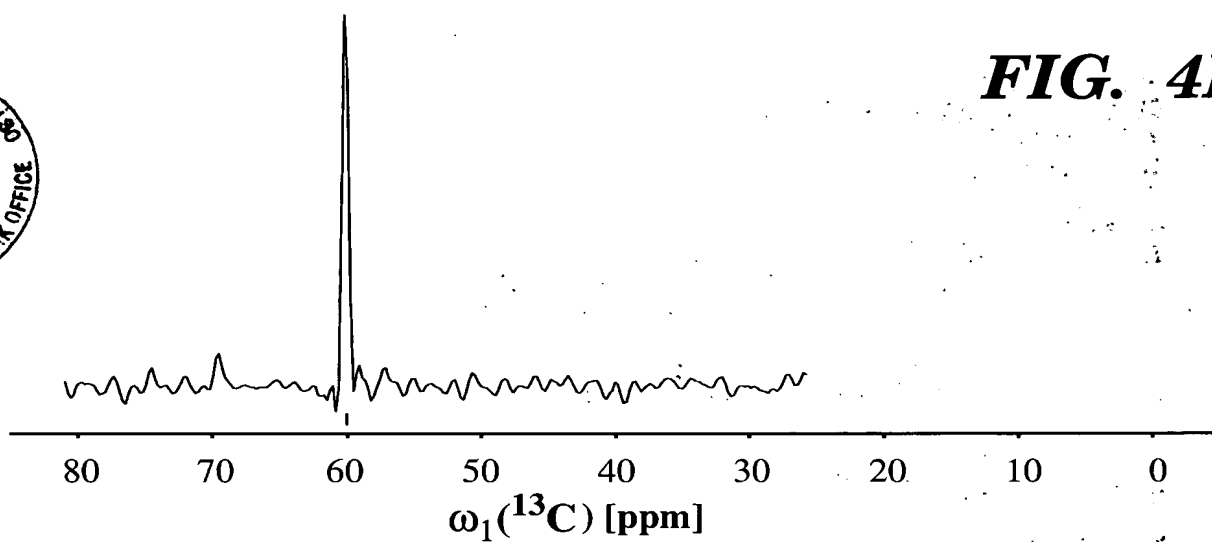


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$^{13}\text{C}^{\alpha}$

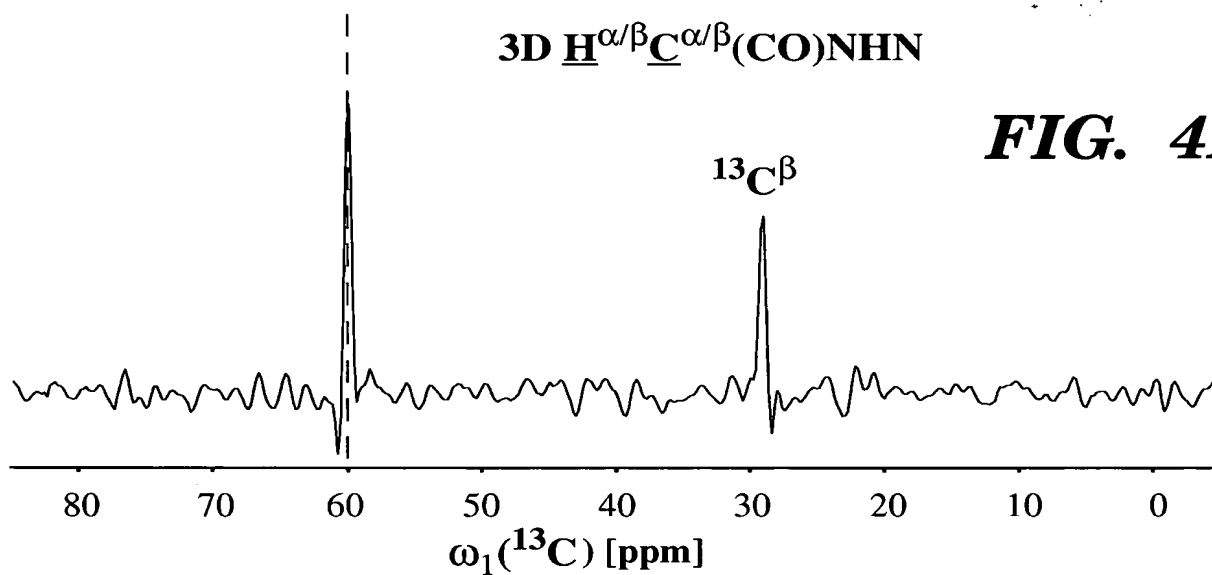
3D HACA(CO)NHN

FIG. 4D



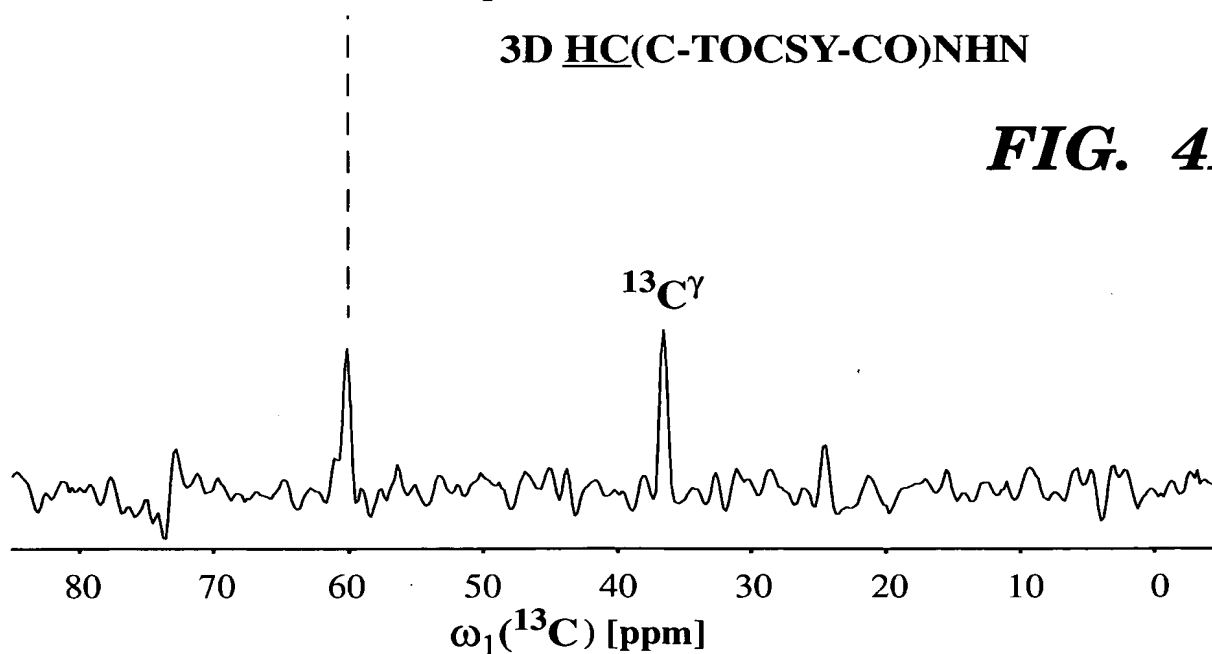
3D H $^{\alpha/\beta}$ C $^{\alpha/\beta}$ (CO)NHN

FIG. 4E



3D HC(C-TOCSY-CO)NHN

FIG. 4F



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Inter

Intra

Ali

Aro

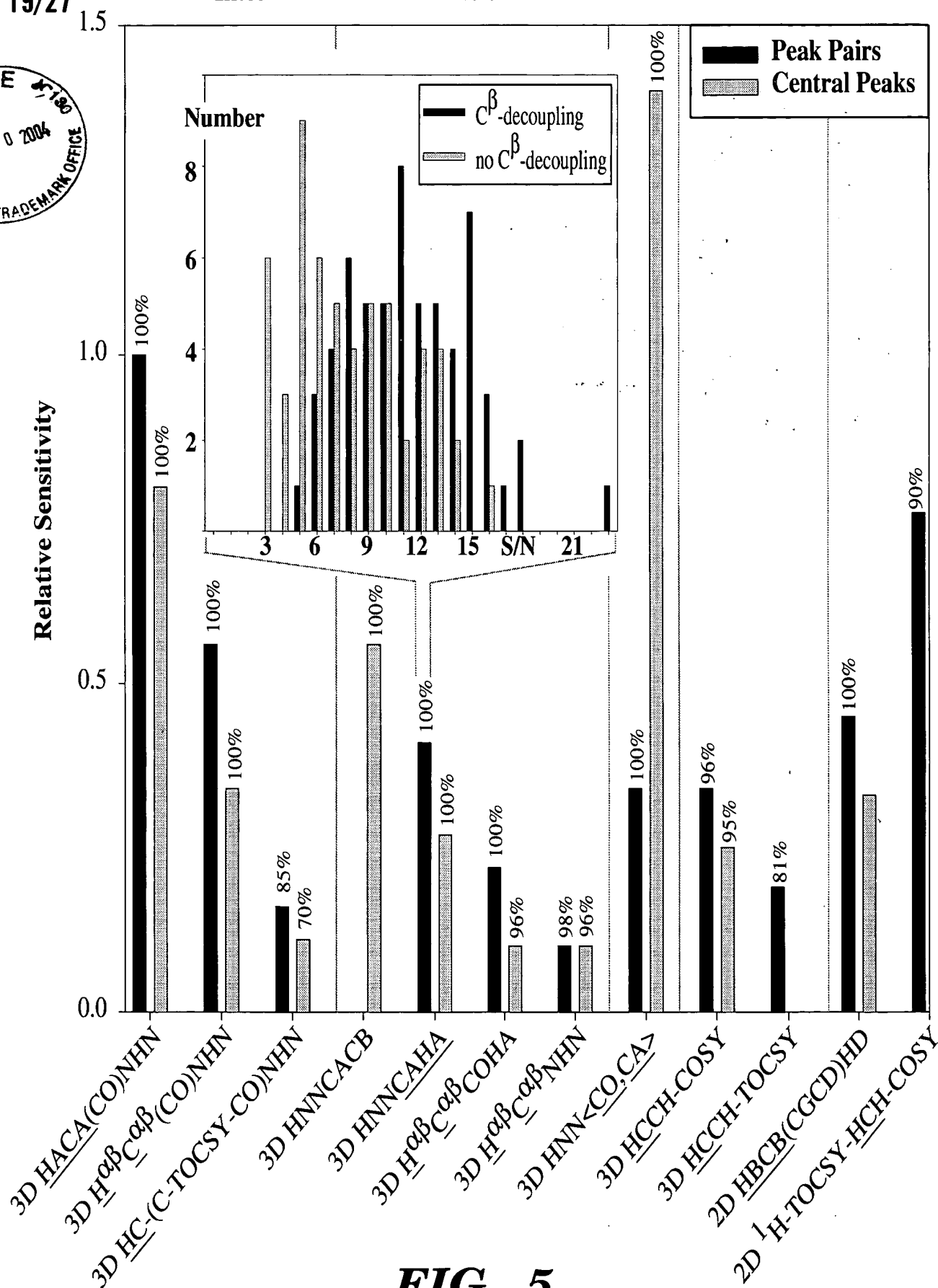
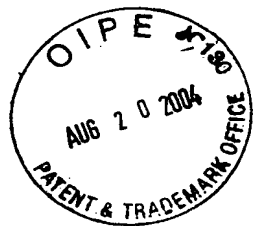
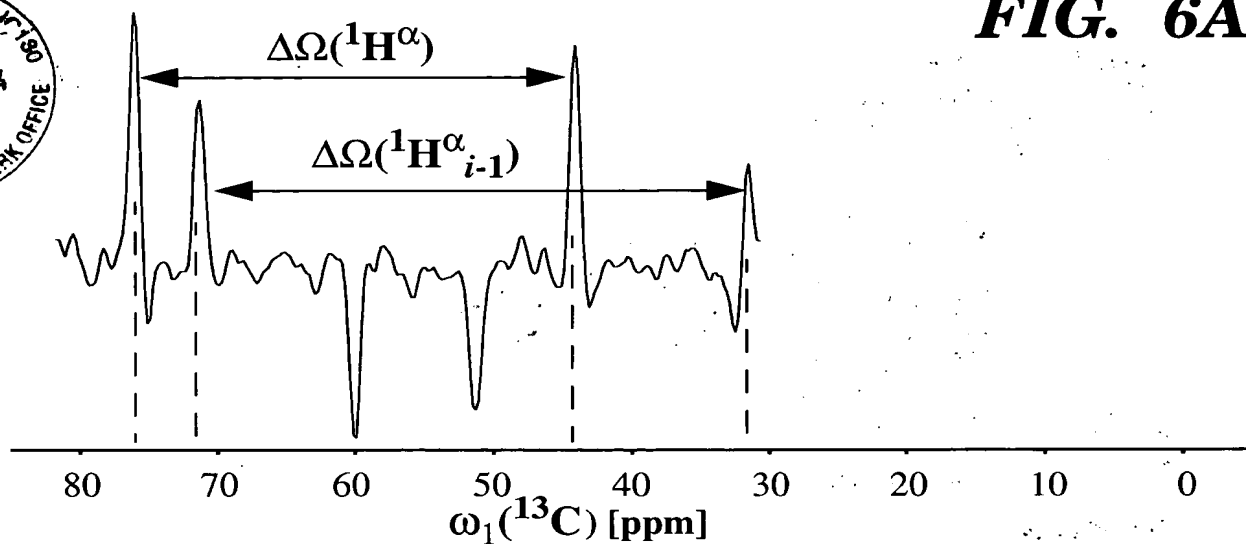


FIG. 5

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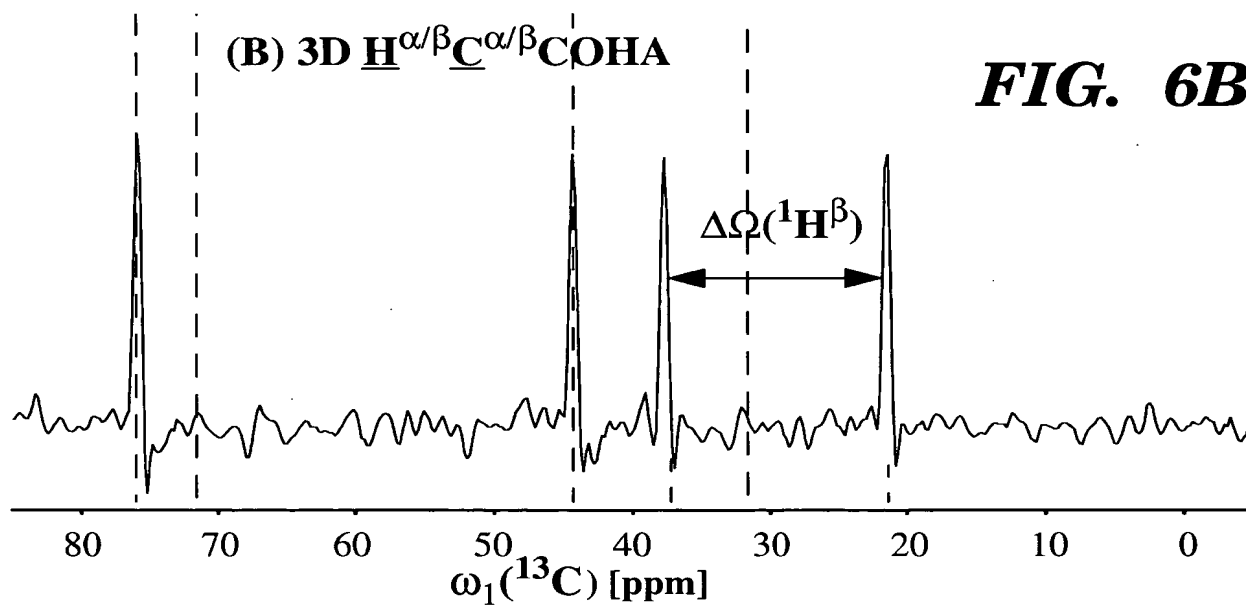
(A) 3D HNNCAHA

FIG. 6A



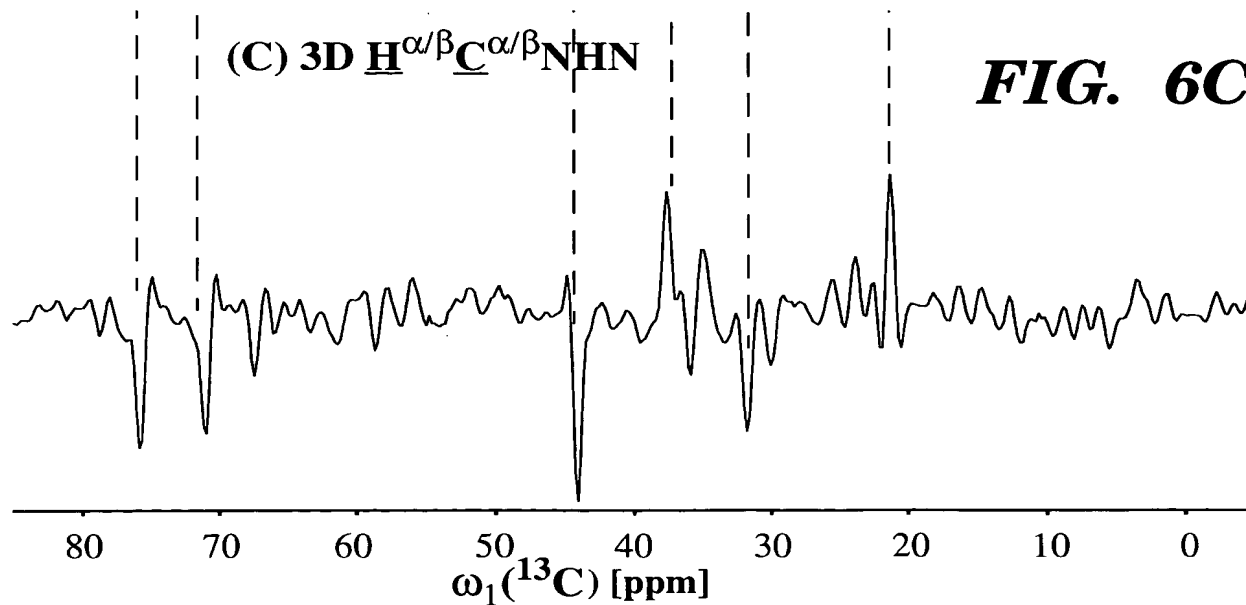
(B) 3D $\underline{\text{H}}^{\alpha/\beta}\underline{\text{C}}^{\alpha/\beta}\text{COHA}$

FIG. 6B

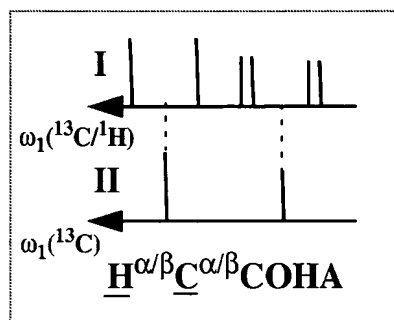


(C) 3D $\underline{\text{H}}^{\alpha/\beta}\underline{\text{C}}^{\alpha/\beta}\text{NHN}$

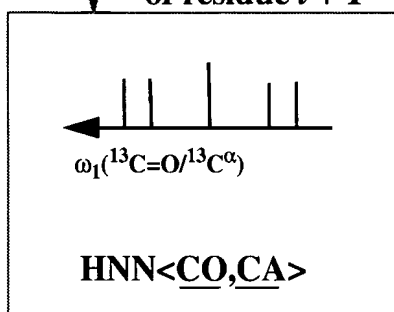
FIG. 6C



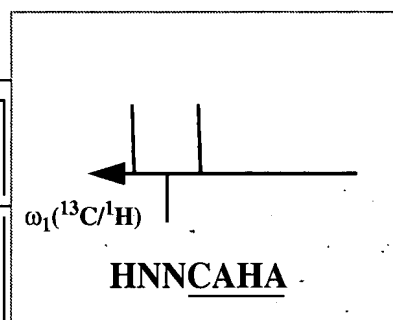
21/27 $\omega_2(^{13}\text{C}=\text{O}) / \omega_3(^1\text{H}^\alpha)$
of residue *i*



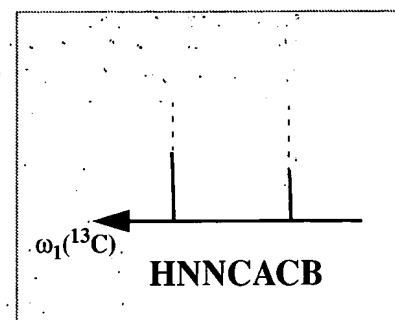
$\delta(^{13}\text{C}=\text{O})$
 $\omega_2(^{15}\text{N}) / \omega_3(^1\text{H}^N)$
of residue *i* + 1



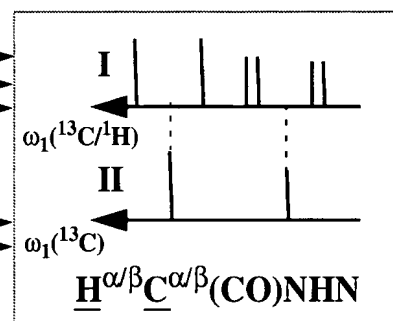
$\omega_2(^{15}\text{N}) / \omega_3(^1\text{H}^N)$
of residue *i*



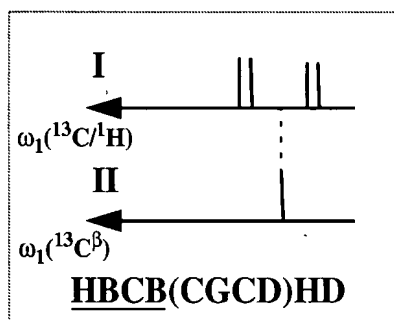
$\omega_2(^{15}\text{N}) / \omega_3(^1\text{H}^N)$
of residue *i*



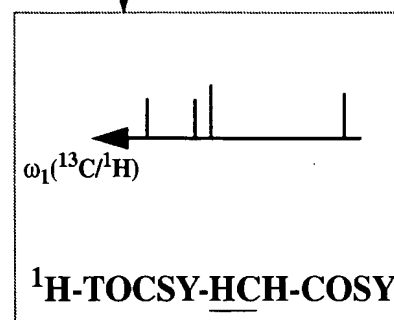
$\delta(^{13}\text{C}^\alpha)$ $\delta(^{13}\text{C}^\alpha/^1\text{H}^\alpha)$
 $\delta(^{13}\text{C}^{\alpha/\beta}/^1\text{H}^{\alpha/\beta})$ $\omega_2(^{15}\text{N}) / \omega_3(^1\text{H}^N)$
of residue *i* + 1



$\omega_2(^{13}\text{C}^\beta)$
of residue *i*



$\delta(^1\text{H}^\delta)$ $\omega_2(^{13}\text{C}^\delta)$
of residue *i*



$\omega_2(^{13}\text{C}^\alpha) / \omega_3(^1\text{H}^\alpha)$
of residue *i*

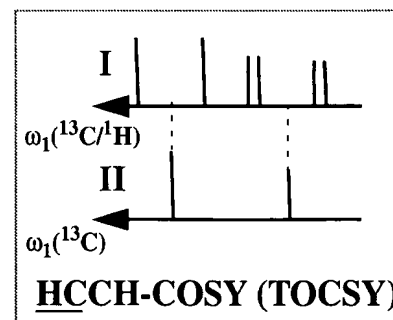


FIG. 7



REPLACEMENT
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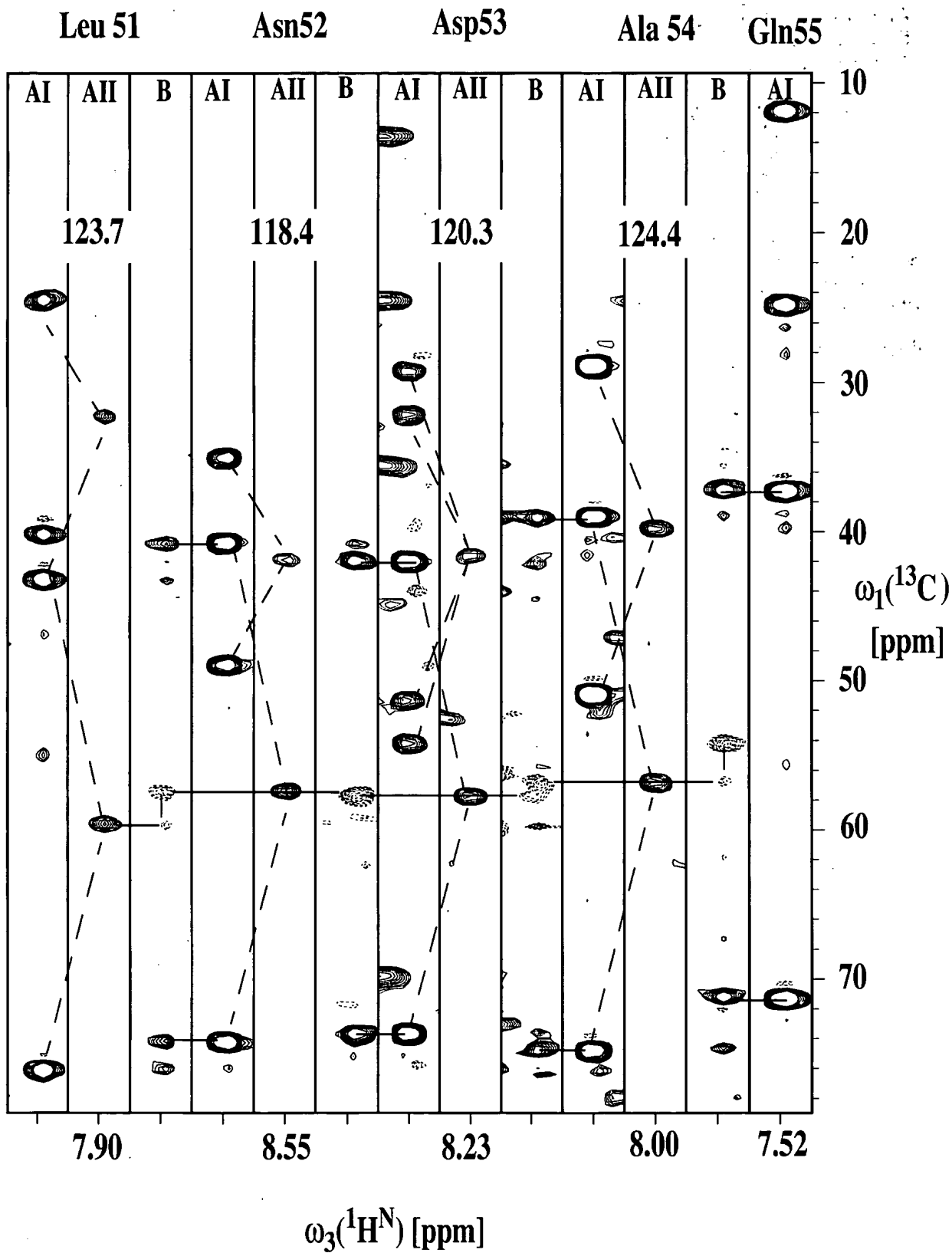


FIG. 8

23/27 a: 3D $\underline{H}^{\alpha/\beta} \underline{C}^{\alpha/\beta} \text{COHA}$ b: 3D $\underline{H}^{\alpha/\beta} \underline{C}^{\alpha/\beta} (\text{CO})\text{NHN}$

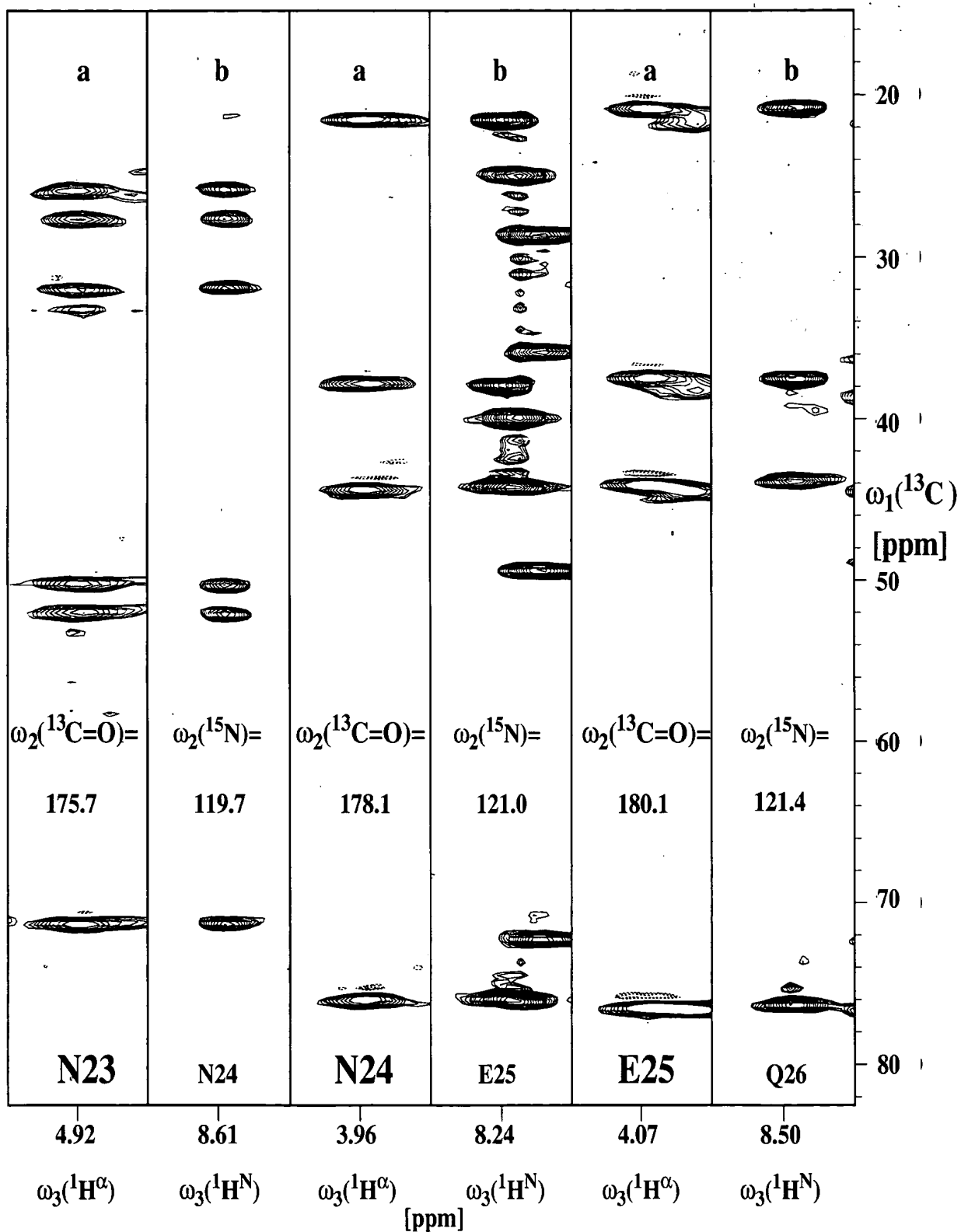


FIG. 9A



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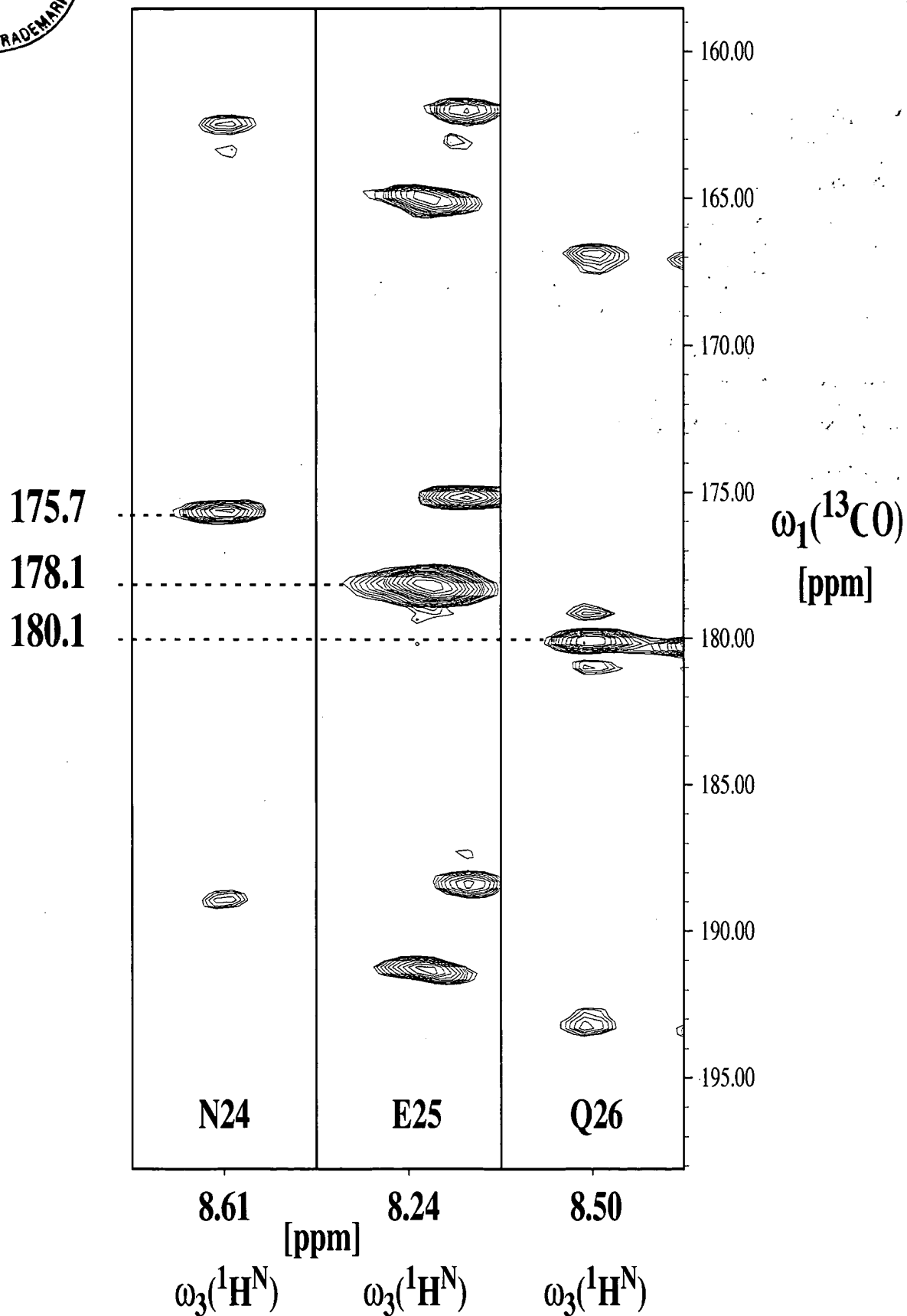


FIG. 9B

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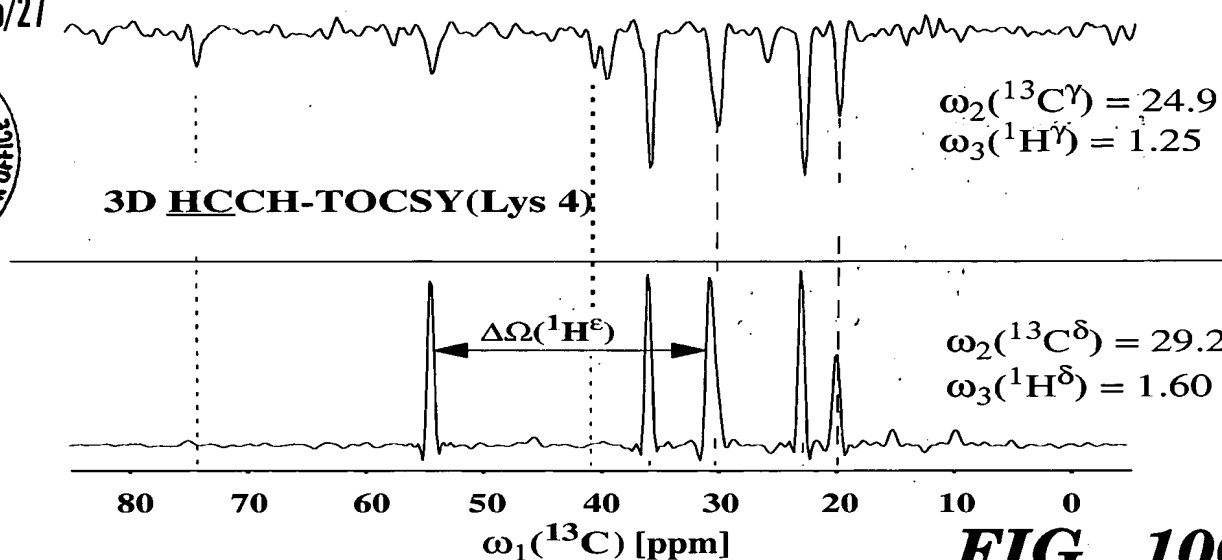


FIG. 10C

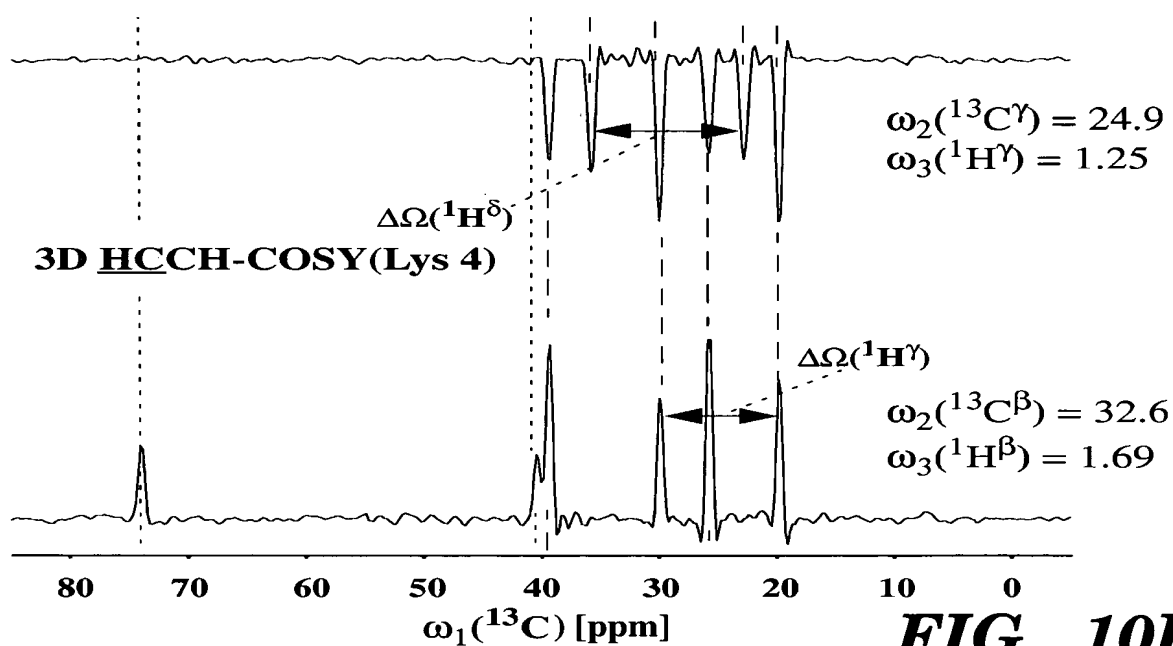


FIG. 10B

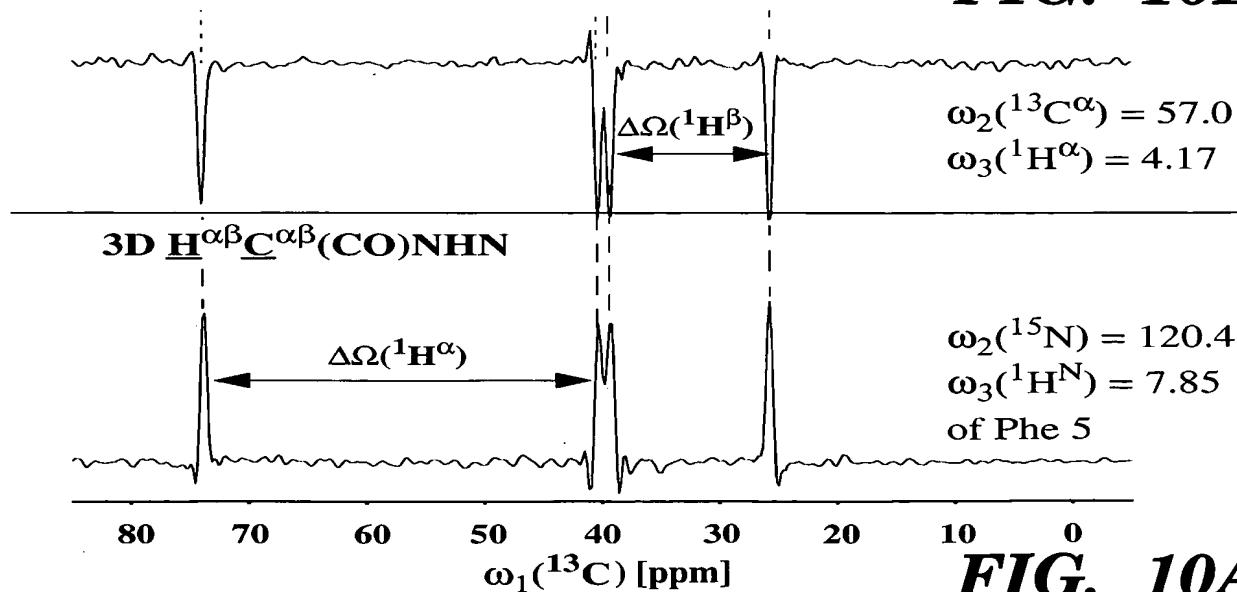
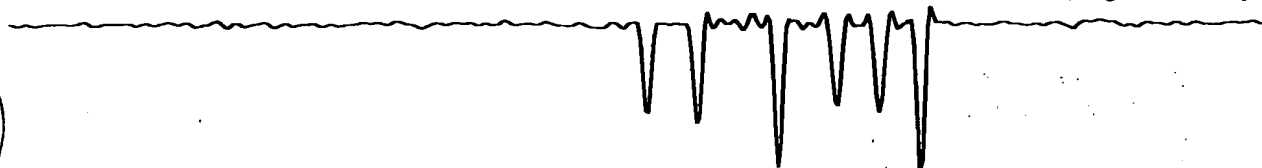


FIG. 10A

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3D HCCH-COSY(Lys 4) γ



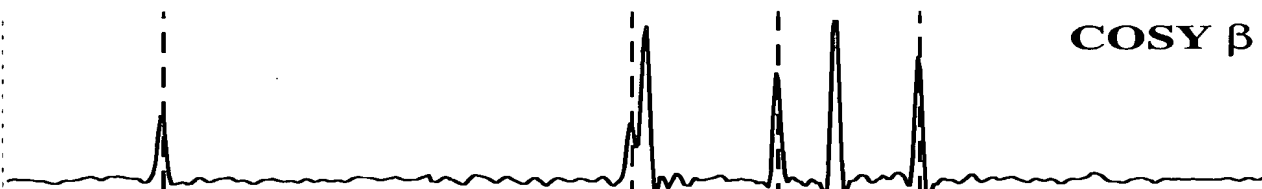
3D HCCH-TOCSY γ



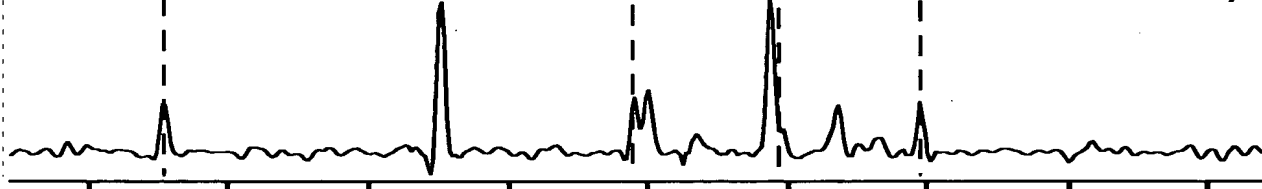
80 70 60 50 40 30 20 10 0
 $\omega_1(^{13}\text{C})$ [ppm]

FIG. 11C

COSY β



TOCSY β



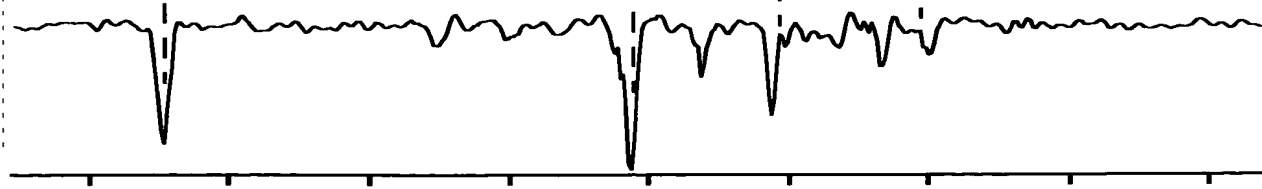
80 70 60 50 40 30 20 10 0
 $\omega_1(^{13}\text{C})$ [ppm]

FIG. 11B

COSY α

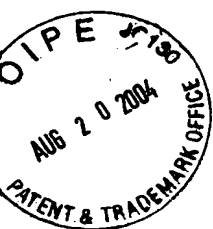


TOCSY α



80 70 60 50 40 30 20 10 0
 $\omega_1(^{13}\text{C})$ [ppm]

FIG. 11A





2D ^1H -TOCSY-relayed HCH-COSY

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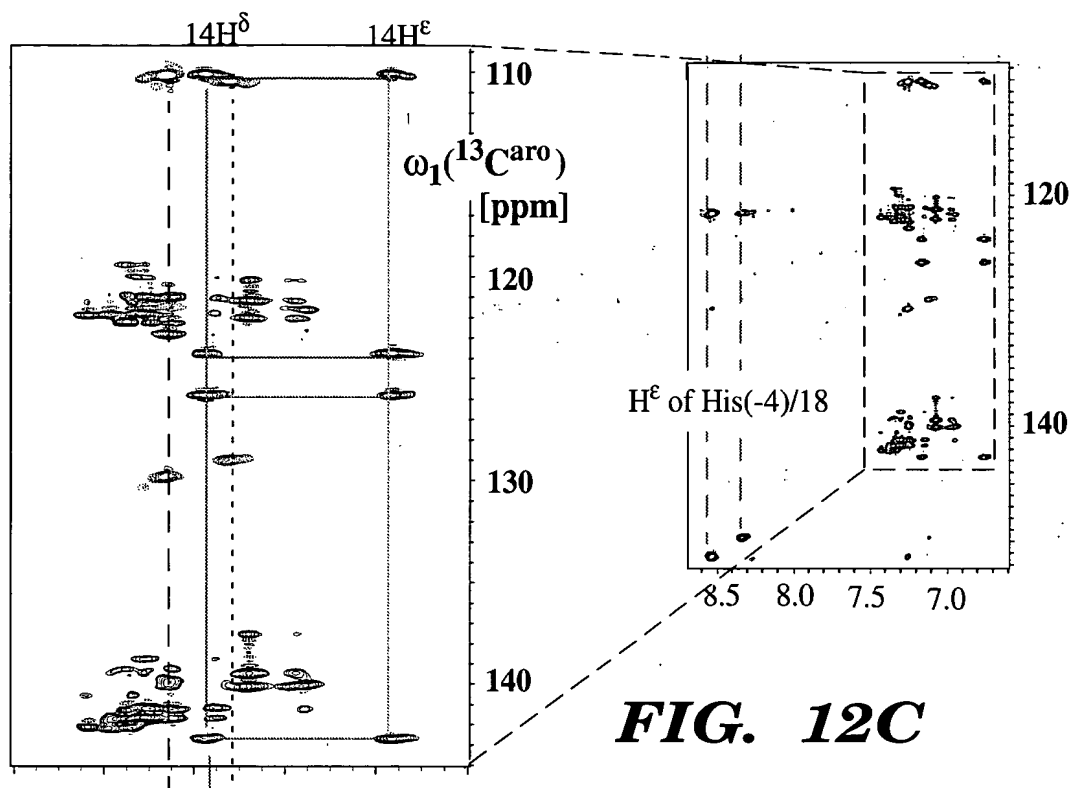


FIG. 12C

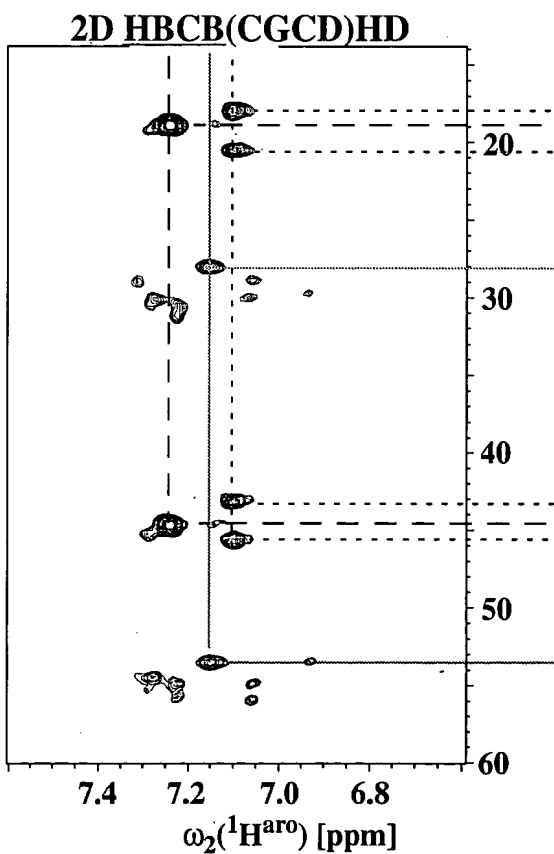


FIG. 12B

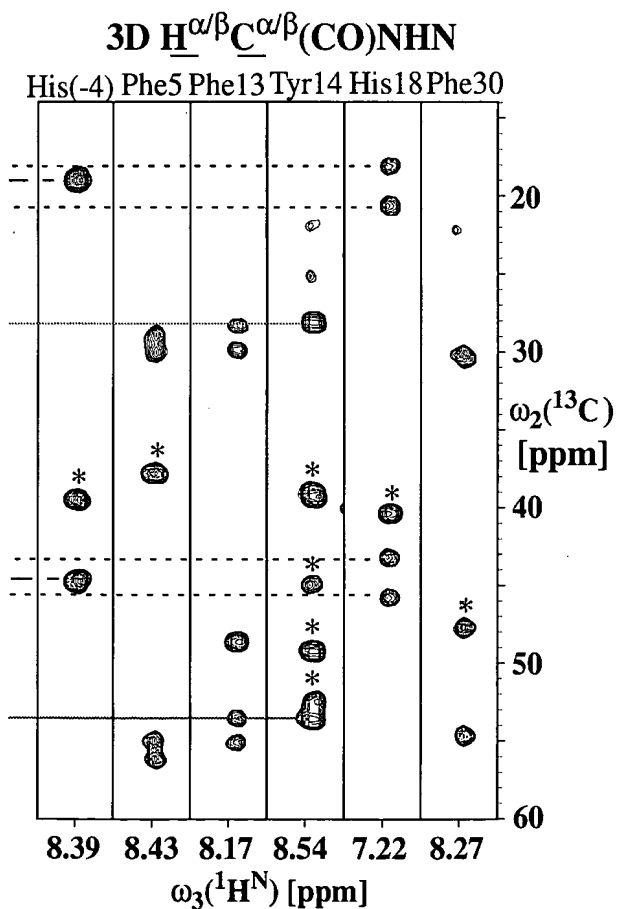


FIG. 12A